



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

is a collection of information unless it contains a valid OMB control number.

Complete if Known

| | |
|------------------------|--------------------|
| Application Number | 10/664,431 |
| Filing Date | September 19, 2003 |
| First Named Inventor | Hyungsoo Choi |
| Art Unit | Unknown |
| Examiner Name | Unknown |
| Attorney Docket Number | UNIL-23 |

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

/Kelly Stouffer/

Date
Considered

11/14/2006

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

| | | | |
|-------|---|----|---|
| Sheet | 1 | of | 1 |
|-------|---|----|---|

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Complete if Known

| | |
|------------------------|--------------------|
| Application Number | 10/664,431 |
| Filing Date | September 19, 2003 |
| First Named Inventor | Hyungsoo Choi |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | UNIL-23 |

[illegible][illegible]

| | |
|-----------------------|------------------|
| Examiner Signature | /Kelly Stouffer/ |
|-----------------------|------------------|

| | |
|-----------------|------------|
| Date Considered | 11/14/2006 |
|-----------------|------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

IDS - 09/19/2003

022010-000199.LSP.240610 WEMMH/SB/08A (4/03)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

| | | | | | |
|---|---|--------------------------|--------------------|------------------------|-----------|
| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | Complete if Known | | | |
| | | Application Number | New Application | | |
| | | Filing Date | September 19, 2003 | | |
| | | First Named Inventor | Hyungsoo Choi | | |
| | | Group Art Unit | Unknown | | |
| | | Examiner Name | Unknown | | |
| Sheet | 1 | of | 2 | Attorney Docket Number | 22010-199 |

| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|--|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Application of Cited Document | Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| KMS | | 4,554,322 | 11-19-1985 | Kwiecinski | |
| | | 6,037,001 | 03-14-2000 | Kaloyeros et al. | |
| | | 6,060,121 | 05-09-2000 | Hidber et al. | |
| | | 6,066,196 | 05-23-2000 | Kaloyeros et al. | |
| | | 6,102,993 | 08-15-2000 | Bhandari et al. | |
| | | 6,187,165 | 02-13-2001 | Chien et al. | |
| | | 6,231,744 | 05-15-2001 | Ying et al. | |
| | | 6,248,674 | 06-19-2001 | Kamins et al. | |
| | | 6,286,226 | 09-11-2001 | Jin | |
| | | 6,297,063 | 10-02-2001 | Brown et al. | |
| | | 6,313,015 | 11-06-2001 | Lee et al. | |
| | | 6,325,904 | 12-04-2001 | Peeters | |
| | | 6,340,768 | 01-22-2002 | Welch et al. | |
| | | 6,340,822 | 01-22-2002 | Brown et al. | |
| | | 6,359,288 | 03-19-2002 | Ying et al. | |
| | | 6,368,406 | 04-09-2002 | Deevi et al. | |
| | | 6,383,923 | 05-07-2002 | Brown et al. | |
| | | 6,388,185 | 05-14-2002 | Fleurial et al. | |
| | | 6,407,443 | 06-18-2002 | Chen et al. | |
| | | 6,440,763 | 08-27-2002 | Hsu | |
| | | 6,444,256 | 09-03-2002 | Musket et al. | |
| | | 6,448,701 | 09-10-2002 | Hsu | |
| | | 6,450,189 | 09-17-2002 | Ganan-Calvo | |
| | | 6,465,132 | 10-15-2002 | Jin | |
| | | 6,504,292 | 01-07-2003 | Choi et al. | |
| | | 6,509,619 | 01-21-2003 | Kendall et al. | |
| | | 6,518,156 | 02-11-2003 | Chen et al. | |
| | | 6,525,461 | 02-25-2003 | Iwasaki et al. | |

| | | | |
|-----------------------|------------------|--------------------|------------|
| Examiner Signature | /Kelly Stouffer/ | Date Considered | 11/14/2006 |
|-----------------------|------------------|--------------------|------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

[illegible][illegible]

| | | | |
|-----------------------|------------------|--------------------|------------|
| Examiner Signature | /Kelly Stouffer/ | Date Considered | 11/14/2006 |
|-----------------------|------------------|--------------------|------------|

EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.